



Defense Supply Center Richmond

2009 Environment, Energy & Sustainability Symposium & Exhibition

Evolving the Hazardous Materials Information System (HMIRS) for Tomorrows HAZMAT Challenges

**Linwood Gilman
DSCR**



DLA's Aviation Supply & Demand Chain Manager

Report Documentation Page				Form Approved OMB No. 0704-0188	
Public reporting burden for the collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to a penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number.					
1. REPORT DATE MAY 2009		2. REPORT TYPE		3. DATES COVERED 00-00-2009 to 00-00-2009	
4. TITLE AND SUBTITLE Evolving the Hazardous Materials Information System (HMIRS)				5a. CONTRACT NUMBER	
				5b. GRANT NUMBER	
				5c. PROGRAM ELEMENT NUMBER	
6. AUTHOR(S)				5d. PROJECT NUMBER	
				5e. TASK NUMBER	
				5f. WORK UNIT NUMBER	
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) Defense Supply Center Richmond, 8000 Jefferson Davis Highway, Richmond, VA, 23297				8. PERFORMING ORGANIZATION REPORT NUMBER	
9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES)				10. SPONSOR/MONITOR'S ACRONYM(S)	
				11. SPONSOR/MONITOR'S REPORT NUMBER(S)	
12. DISTRIBUTION/AVAILABILITY STATEMENT Approved for public release; distribution unlimited					
13. SUPPLEMENTARY NOTES Presented at the NDIA Environment, Energy Security & Sustainability (E2S2) Symposium & Exhibition held 4-7 May 2009 in Denver, CO.					
14. ABSTRACT					
15. SUBJECT TERMS					
16. SECURITY CLASSIFICATION OF:			17. LIMITATION OF ABSTRACT Same as Report (SAR)	18. NUMBER OF PAGES 10	19a. NAME OF RESPONSIBLE PERSON
a. REPORT unclassified	b. ABSTRACT unclassified	c. THIS PAGE unclassified			



Hazardous Materials Information Resource System (HMIRS)



DLA's Aviation Supply & Demand Chain Manager

- **Authority – DoDI 6050.05**
 - **DLA Appointed Lead Component**
- **DSCR – Functional Manager**
- **DLIS – Program Manager**
- **Designated by BTA as Authoritative Source for MSDSs**



Present Efforts/Issues



DLA's Aviation Supply & Demand Chain Manager

- **Globally Harmonized System (GHS)**
- **Extensible Mark-up Language (XML) Schema for Fully Structured MSDS**
- **Registration, Evaluation , Authorization and Restriction of Chemicals (REACH)**
- **Evolution to Hazmat Business Process Review (BPR) Requirements**



GHS Issues

DLA's Aviation Supply & Demand Chain Manager

- **OSHA Still Needs to Impact U.S. HAZCOM Standard**
- **Primary Differences of GHS**
 - **Hazard Determination Methodology**
 - **Standard Format for Data**
 - **Use of Pictograms**
- **Implementation Options Permitted**



REACH

DLA's Aviation Supply & Demand Chain Manager

- **Uses GHS as a Baseline with Major Additional Requirements**
 - **Shifts Burden of Hazard Evaluations to Manufacturers**
- **Specific Use Scenarios Part of SDS**
 - **User to Ensure Use Consistent with Use Scenarios**
- **Implementation Just Beginning**



Changes to HMIRS to Accommodate GHS/REACH

DLA's Aviation Supply & Demand Chain Manager

- **Accommodates ESOH Pictograms**
- **Will Place MFR's Use Data in Value-Added**
- **Hazard Assessment Data in Value Added**



DOD HAZMAT Business Process Review (BPR)

DLA's Aviation Supply & Demand Chain Manager

- **OSD (BEI) Leads Effort**
 - **Representation from Military Departments & DLA**
- **Major Consideration: Standardized**
 - **Data Elements (Definitions & Properties)**
 - **Process Using HAZMAT**
- **Accommodate Business Enterprise Solutions**



XML Project for MSDS

DLA's Aviation Supply & Demand Chain Manager

- Evolution from EDI standards
- DLA Initiated Project under United Nations Center for Trade Facilitation & Electronic Business (UN/CEFACT)
- Develop International MSDS (SDS) Data Schema
- Facilitate Electronic Exchange of Data (Fully Structured) between Trading Partners



XML Project Status/Future



DLA's Aviation Supply & Demand Chain Manager

- **Initial UN/CEFACT MSDS XML Schema Approved Mar 09**
- **Presently Researching Implementation Efforts**
 - **Basic Schema Silent on Field Lengths**
- **Looking at Implementation Version of Schema**
- **Working with U.S. Industry Players**



DLA's Aviation Supply & Demand Chain Manager

Questions?